

9. MICROWAVE VIDEO DETECTOR DIODES

IN ORDER OF (1) TEST FREQ (OR AVG FREQ WHEN TEST FREQ NOT AVAILABLE) and (2) TYPE No.

LINE No.	TYPE No.	BAND	TEST FREQ. (Hz)	FREQUENCY RANGE MIN - MAX (Hz)	MIN FIG OF MERIT FIGURE of MERIT	MIN OUTPUT		MIN TANG. SENS.	VIDEO IMPEDANCE		ABSOLUTE MAX. RATING		DESCRIPTION		
						at PWR. LVL. (W)	at R (Ω)		Vo (V)	at PWR. LVL. -dBm	RANGE MIN - MAX (Ω)	at MAX. VOLT. (V)	MAX. BURN-OUT (W)	MAX. TEMP (°C)	MAT.
1	13100BD8	X	8000M		75				52 4000		100A	Ge	F59a1		
2	13150BD8	X	8000M		100				52 1200		100A	Ge	F59a1		
3	13200BD8	X	8000M		100				51 800		100A	Ge	F59a1		
4	13300BD8	X	8000M		100				50 650		100A	Ge	F59a1		
5	13400BD	X	8000M		90				49 400		100A	Ge	F59a1		
6	MS1042	X	8000M	8.2G-12.4G	120		100m	10	52 1000		25m	100A	Ge	F10q	
7	MS1043	X	8000M	8.2G-12.4G	85		100m	10	50 850		150m	100A	Ge	F10q	
8	1N1611	X	9000M	8.20G-12.4G	130	1.0u			52 1700-3100			70A	Si	P3	
9	1N1611A	C-X	9.0G	4.0G-10G	220	1.0u			52 1700-3100		25	150A	Si	P30	
10	1N1611B	C-X	9.0G	4.0G-10G	220				52 1700-3100				Si	P30	
11	D4072	X	9000M	8.20G - 12.4G	130				51 600-800		325m	150	Si	P3d5	
12	D4072A	X	9000M	8.20G - 12.4G	220				53 600-800		325m	150	Si	P3d5	
13	D4072B	X	9000M	8.20G - 12.4G	220				53 600-800		325m	150	Si	P3d5	
14	D5012	X	9000M	8.20G - 12.4G	220				53 600-800		175m	150	Si	A1da5	
15	D5036	X	9000M	8.20G-12.4G	220	1.0u	1.2k		53 600-800		150	150	Si	A1ak5	
16	D5236	X	9000M	8.20G-12.4G	220	1.0u	1.2k		53 600-800		50u	100m	150S	F855	
17	K408	X	9000M	8.20G - 12.4G	130				50 1700- 3100		1.0m		Si	P30	
18	K408A	X	9000M	8.20G - 12.4G	160				51 1700- 3100		1.0m		Si	P30	
19	K408B	X	9000M	8.20G - 12.4G	220				52 1700- 3100		1.0m		Si	P30	
20	MA408A	X	9000M		160				51 1.7k- 3.1k		1.0m		Si	DO220	
21	MA418	C-X	9.0G	4.0G-10G	130	5.0u			51 1700-3100				Si	P3a5	
22	MA418A	C-X	9.0G	4.0G-10G	160	5.0u	1.2k		51 1700-3100			70A	Si	P3a5	
23	MA418B	C-X	9.0G	4.0G-10G	220	5.0u			51 1700-3100				Si	P3a5	
24	MA452	X	9000M		130				50 1.7k- 3.1k		1.0m		Si	DO220	
25	MA452A	X	9000M	8.20G - 12.4G	160	5.0u			51 1700- 3100			150A	Si	P30	
26	MA461	C-X	9.0G	4.0G-10G	130	5.0u			50 1700-3100				Si	P35	
27	MA461A	C-X	9.0G	4.0G-10G	160	5.0u			51 1700-3100				Si	P35	
28	MA461B	C-X	9.0G	4.0G-10G	220	5.0u			52 1700-3100				Si	P35	
29	MA4128	C-X	9.0G	4.0G-12.5G	130	5.0u			50 1700-3100				Si	P30	
30	MA4129	C-X	9.0G	4.0G-10G	130	5.0u	1.2k		50 1700-3100			150A	Si	P3a0	
31	P0812	X	9000M		220				53				Si	A1st	
32	P0836	X	9000M		220				53				Si	A1vd	
33	P1936	X	9000M		220				53				Si	F85	
34	P4272	X	9000M		130				51 1.7-3.1				Si	F85	
35	P4272A	X	9000M		220				53 1.7-3.1				Si	F85	
36	P4272B	X	9000M		220				53 1.7-3.1				Si	F85	
37	MA408	X	9040M	9.04G-9.375G	130				50 1.7k-3.1k				Si	F99	
38	MA408B	X	9040M	9.040G-9.375G	220				52 1.7k-3.1k				Si	F99	
39	MA452B	X	9040M	9.04G-9.375G	220				52 1.7k-3.1k				Si	F99	
40	MA7709A-0011	UHF-K	9250M	500M-18.0G				12m 20	51 1.0k-2.0k		100u*	200m*	125 Si	S4850	
41	MA40201	L-Ku	9.3G						55 1200-1800			150A	Si	F82	
42	MA40202	L-Ku	9.3G						55 1200-1800			150A	Si	A1uu	
43	MA40203	L-Ku	9.3G						52 1200-1800			150A	Si	F82	
44	MA40204	L-Ku	9.3G						52 1200-1800			150A	Si	A1uu	
45	MA40207	L-Ku	9.3G						55 1200-1800			150A	Si	M790	
46	MA40208	L-Ku	9.3G						52 1200-1800			150A	Si	M790	
47	MA40251	L-X	9300M				500u 40		55 1200-1800		20u*	100m	150A	Si	F85
48	MA40252	L-X	9300M				500u 40		55 1200-1800		20u*	100m	150A	Si	A1ac
49	MA40253	L-X	9300M				350u 40		52 1200-1800		20u*	100m	150A	Si	F85
50	MA40254	L-X	9300M				350u 40		52 1200-1800		20u*	100m	150A	Si	A1ac
51	MA40257	L-X	9300M				500u 40		55 1200-1800		20u*	100m	150A	Si	M790
52	MA40258	L-X	9300M				350u 40		52 1200-1800		20u*	100m	150A	Si	M790
53	MA40270	X	9300M						55		100m	150A	Si	u14	
54	MA40271	X	9300M						55		100m	150A	Si	M791	
55	MA40273	X	9300M						55		100m	150A	Si	M912	
56	1N31	X	9.375G	8.2G-12.4G	55	5.0u	1.2k		50 6000-23000		5.0m	20m	70A	Si	P1b0
57	JAN1N31	X	9375M		55	5.0u	1.2k		50 6000-23000		5.0m	20m	70A	Si	P1b
58	1N31A	X	9375M	8.20G - 12.4G	200	5.0u	1.2k		50 3000-17000		5.0m	200m	150S	Si	P1b
59	1N76	X	9375M	8.20G - 12.4G				5.0m				20m	70A	Si	P1b0
60	1N76A	X	9375M	8.20G - 12.4G			15u					20m	70A	Si	P1b0
61	1N76C	X	9375M	8.20G - 12.4G					40 4500-18000		5.0m		150A	Si	P1b0
62	1N833	X	9375M	9275M-9475M					45 4500-18000				Si	A196b	
63	1N833A	X	9375M	8.20G - 12.4G								200m	125A	Si	DO7
64	1N2127	L-X	9375M	1000-12400				70m 15				150A	Si	P1aΔ	
65	1N3143	C-X	9375M	4000-10000				11m 30					Si	P3	
66	1N3778	C-X	9375M	4000-10000									Si	P35Δ	
67	8031	X	9375M	8.20G - 12.4G	55	5.0u			47 5000-25000		5.0m		Si	P3c	
68	8131	X	9.375G	8.2G-12.4G	55	5.0u			47 5000-25000		5.0m		Si	P3c	
69	8231	X	9375M	8.20G - 12.4G	55	5.0u			50 5000-25000				Si	P3a	
70	AEV17	X	9375M	1.00G - 18.0G	120				53 3000		1.0m		150A	Ge	F36b
71	BAV29	X	9375M		145	1.0u	600	2.4m 30	50 600-1000		5.0m	30m	150S	Si	DO19
72	BAV30	X	9375M		145	1.0u	600	2.4m 30	50 600-1000		5.0m	30m	150S	Si	F47b
73	BAV46	X	9375M						52 8500			200m	150J	Si	DO23
74	BAV60	X	9375M		145	1.0u	600	2.4m 30	50 600-1000		5.0m	30m	150S	Si	DO35
75	BAV76	X	9375M						52 6500				Si	F51	
76	BAV77	X	9375M						55 6500				Si	F51	
77	BAV78	X	9375M						52 6500				Si	DO35	
78	BAV80	X	9375M						52 6500				Si	DO23	
79	BAV81	X	9375M						55 6500				Si	F82	
80	BAV97	L-Ku	9375M	1G-18G					52 5000		180m	150A	Si	u3	
81	CC095509	X	9375M						55		100m	150	Si	F10p	
82	CC105009	X	9.375G						50 1.1k-1.7k		100m	150	Si	F10p	
83	CC105209	X	9.375G						525						